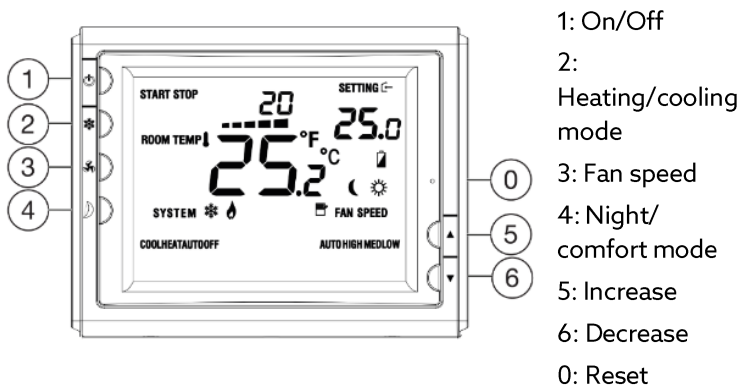


Room Thermostat

for two-/four-pipe applications



The room thermostats are used to control the room temperature of surface heating and cooling systems as well as heating and cooling ceilings in detached houses or dwellings. The are designed for fan coil units with two- and four-pipe systems. The room thermostats enable the electrical control of fan coil units for demand-oriented heating and cooling. Alternatively, connection to a

connecting block (e.g. FloorCon F) is possible. The room temperature is controlled by a valve, which is controlled by the room thermostat via a thermal actuator. When the room temperature reaches the setpoint temperature, the valve is closed. Depending on the room thermostat, it is possible to switch between heating and cooling.

Product Overview

Room thermostat two-pipe applications	Room thermostat four-pipe applications
Item no. 1152064 (24 V)	Item no. 1152065 (24 V)
Heating only/cooling only	Heating and cooling

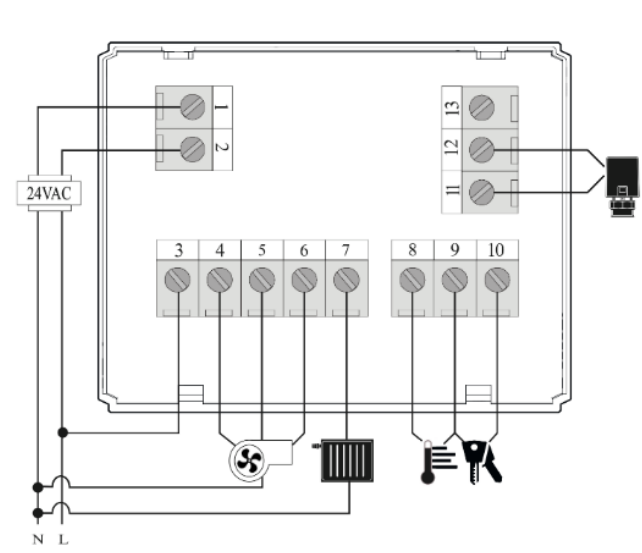
Product Details

Room thermostat heating only/cooling only

The room thermostat can only heat or only cool and is operated via six push buttons. You can select the heating mode, the cooling mode, three fan speeds, the desired temperature and the operating mode. The room thermostat uses an external sensor to detect whether the system is operating in heating or cooling mode. This information is shown on the display. Switching between heating and cooling mode must be done manually.

Functions


- "Increase" and "decrease" keys to adjust the setpoint temperature
- On/off control for an auxiliary heater
- Two inputs (temperature sensor, key card)
- 230 V fan control



Technical Data

Temperature range	5 °C...35 °C
Setback/eco temperature	4 K
Power supply	18...30 V
Temperature control	On/off
Mounting	Surface
Protection class	IP 20
Colour	White RAL 9016

- 1: 24 V AC +/- 10%
- 2: 24 V AC +/- 10%
- 3: Voltage conductor L
- 4: Fan speed 3 (High)
- 5: Fan speed 2 (Medium)
- 6: Fan speed 1 (Low)
- 7: On/off control for an auxiliary heater (optional)
- 8: Temperature sensor
- 9: [GND] Temperature sensor / key card
- 10: Key card
- 11: 0-10 V control heating / cooling (+)
- 12: [GND] control heating / cooling (-)

	Item number	Power supply	Inputs	Outputs	W [mm]	H [mm]	D [mm]
	1152064	24 V AC/ 50 – 60 Hz	Temperature sensor Key card	On/off	115	91	33

Room thermostat heating and cooling

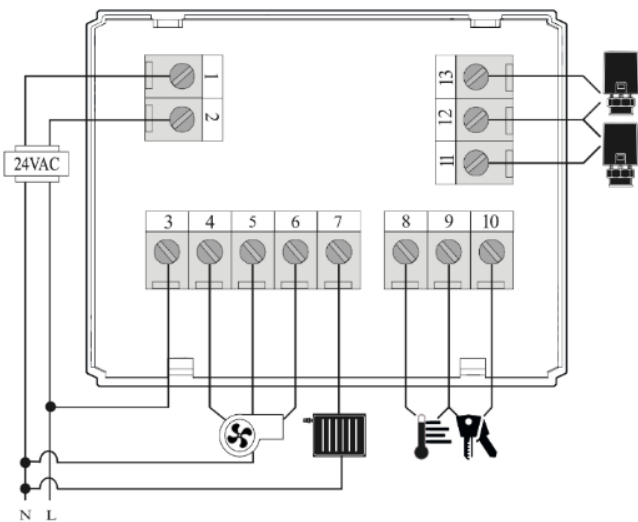
The room thermostat can be used for heating and cooling and is operated via six push buttons. You can select the heating and cooling mode, three fan speeds, the desired temperature and the operating mode. The room thermostat uses an internal sensor to compare the actual temperature with the setpoint temperature and automatically switches between heating and cooling mode. The display shows which mode the controller is currently operating in.

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Setback/eco temperature	4 K
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- 13: 0-10 V-control heating (+)

	Item number	Power supply	Inputs	Outputs	W [mm]	H [mm]	D [mm]
	1152065	24 V AC/ 50 – 60 Hz	Temperature sensor Key card	On/off	115	90	30

Accessories


FloorCon F electrical connecting block

With automatic hydronic balancing for surface heating and cooling.

	Description	Number of room thermostats	Item no.
	230 V, without channel allocation	8	1400984
	230 V, with channel allocation	8	1400985


Electrical connecting block for surface heating

When using item no. 1400980/82 with 24 V, an external power supply of 24 V must be available. Item no. 1153053 can be used as transformer.

	Description	Control zones	Item no.
	24 V and 230 V, heating	6	1400980
	230 V, heating/cooling (C/O), pump control	10	1400981
	24 V, heating/cooling (C/O), pump control	10	1400982
	230 V, heating/cooling (C/O), pump and boiler control, integrated time switch	10	1400983


Aktor T 2P thermal actuator

On/off control, connection thread M 30 x 1.5.

	Suitable for	Item no.
	• ClimaCon F	1012415
	• FloorCon F	(230 V NC)
	• Electrical connecting block	1012425
		(230 V NO)
	• ClimaCon F	1012416
	• FloorCon F	(24 V NC)
	• Electrical connecting block	1012426
		(24 V NO)


Temperature sensor for FloorCon F

The temperature sensor is required 1x for the supply of the heating circuit manifold and 1x in the return per heating circuit.

	Suitable for	Item no.
		1029093 (supply, length 850 mm)
	FloorCon F	1029094 (return, length 850 mm)
		1029095 (return, length 2,100 mm)


ClimaCon F temperature sensor

Serves as an external temperature sensor to record the temperature in the room or as an external temperature sensor to record the surface temperature as a limiter (STL).

	Suitable for	Item no.
	ClimaCon F 310	1155599
	24 V	1155531


Sensor GA FD dew point monitor

Is required in conjunction with room thermostats to protect against condensation on cooling surfaces.

	Suitable for	Item no.
	• Connecting block	1141951
	• 24 V ClimaCon room thermostats	
	• Connecting block	1141952

Safety temperature limiter

For max. limitation of the heating circuit temperature.

	Suitable for	Artikel-Nr.
	• FloorCon F	1344583
	• Electrical connecting block	1143000